

Current Efficiency in the Process of Electrolytic
Hydrogenation of Germanium, by B. B. Djurkovic, 8 pp.

SRBOS-CROATIAN, par, Glasnik Hemijskog Društva,
Vol XXVII, No 5, 6, 1962, pp 255-261.

OTS 62-11757/5x-5
PL-480

Sci - Chem
Jan 64

248,733

Derivative Polarographic Titration of Some Bases in
Glacial Acetic Acid in the Presence of Quinhydrone,
by Vilim Vajgand, Tibor Pastor, 8 pp.

SEVENO-CROATIAN, per, Glasnik Hemijskog Drustva,
Vol XXVII, No 5, 6, 1962, pp 263-269.

OTS 62-11757/5-6
PL-480

Sci - Chem
Jan 64

248,734

Fluorescence of Plasmochin π and Its Use As
a Fluorescent Indicator, by Ilija Buric,
Bosko Drankovic, 6 pp.

SRBEO-CROATIAN, per, (Glasnik Hemijskog Drustva,
Vol XXVII, No 5, 6, 1962, pp 271-276.

OTS 62-11737/5-6
PL-480

Sci - Chem
Jan 64

248,743

The Semiquantitative Determination of Micro Amounts
of Ions by Visual Colorimetry of Spots Obtained
by Partition Paper Chromatography. I. The Determina-
tion of Mercury, Copper, Cadmium, Zinc, Uranium,
and Iron, by Tomislav J. Janjic, Milenkovic B. Celap,
6 pp.

SERBO-CROATIAN, per, Glasnik Hemijskog Društva,
Vol XXVII, No 5, 6, 1962, pp 283-287.

OTS 62-11757/5-6
PL-480

248,744

Sci - Chem
Jan 64

A Contribution to the Iodometric Determination of
Novalgin, by Borislav Budimic, Dragica Dumanovic,
6 pp.

SERBO-CROATIAN, per, Glasnik Hemijskog Drustva,
Vol XXVII, No 5, 6, 1962, pp 293-297.

OTS 62-11757/5-6
PL-480

Sci - Chem
Jan 64

248,745

M. Petrovich, 11. Hrvatska ...
Raza Borislavljevic, Jovan Bosnjak, 14 pp.

SERBO-CROATIAN, por, Glasnik Hrvatskog Drustva,
Vol XXVII, No 5, 6, 1962, pp 299-309.

OTB 62-11757/65-6
PL-480

Sci - Chem
Jan 64

248,746

N-mensophthalimide III. Reaction With Hydrazines,
by Jovan Bosnjak, Rastko Mamuzic, 8 pp.

SEMPRO-CROATIAN, per, Glasnik Hemijskog Drustva,
Vol XXVII, No 5, 6, 1962, pp 313-318.

OTS 62-11757/5-6
PL-480

Sci - Chem
Jan 64

248, 739

A Contribution to the Investigation of
The Brass Hardening Phenomenon, by Branko Bozic,
Rada Vidojevic, 12 pp.

SERBO-CROATIAN, per, Glasnik Hemijakog Društva,
Vol XXVII, No 5, 6, 1962, pp 327-338.

OTS 62-11757/5-6
FL-480

Sci - Chem
Jan 64

248.740

A Contribution to the Study of the Equilibrium Diagram
of the Fe - As System, by Branko Bozic, Nada Vidojevic
8 pp.

SERBO-CROATIAN, per, Glasnik Hemijskog Društva, Vol XXVII
No 5, 6, 1962, pp 341-348.

OTS 62-11757/5-6
PL-480

Sci - Chem
Jan 64

248,741

Bulletin of the Chemical Society
Belgrade.

SERBO-CROATIAN, per, Glasnik Hemijskog
Društva - Beograd, Vol 28, No 8-9, 1963.

CISTI

TT-63-11452/8-9

ABC KP - W 1309

Sci/Chemistry
Nov 65'

292,022

NEW ECONOMIC CONDITIONS FOR MANAGEMENT OF
AGRICULTURE, BY STEVAN MIHAILOVIC, 11 PP.

CROATIAN, PER, GLASNIK POLJOPRIVREDNIH I ZADRUZNIH
ORGANIZACIJA, VOL 11, NO 12, 1962,
PP 3-6.

JPRS 171852

EEUR - YUGOSLAVIA

ECON

JAN 63

219,685

NEW CONDITIONS RELATING TO CREDIT FOR BUYING
AGRICULTURAL EQUIPMENT, 6 PP.

SERBOCROATIAN, PER, GLASNIK POLJOPRIVREDNIH
I ZADRUZNIH ORGANIZACIJA, VOL III, NO 7-8,
1963, PP 14-16.

JPRS 21491

EE-YUGOSLAVIA
ECON
OCT 63

346,6L6

CONDITIONS FOR PROFITABLE OPERATION AND
SOCIALIZATION OF LAND AND PRODUCTION PROCESS,
BY B. SEKULARAC, 10 PP.

CROATIAN, PER, GLASNIK POLJOPRIVREDNIH I
ZADRUZNIH ORGANIZACIJA, VOL II, NO 13,
1962, PP 7-10.

JPRS 17213

EEUR - YUGOSLAVIA
ECON
JAN 63

220,408

THE PROBLEMS AND PROSPECTS IN FURTHER EXPANSION
OF THE SOCIALIZED LAND AREA, BY ~~XX~~ T.
MILENKOVIC, 10 PP.

CROATIAN, PER, GLASNIK POLJOPRIVREDNIH I
ZADRUZNIH ORGANIZACIJA, VOL II, NO 13, 1962,
PP 11-14.

JPRS 17213

EEUR - YUGOSLAVIA
ECON
JAN 63

220,409

THE ADVANTAGES AND DISADVANTAGES OF MERGING
OF COOPERATIVES, BY B. SEKULARAC, 10 PP.

CROATIAN, PER, GLASNIK POLJOPRIVREDNIH I
ZADRUŽNIH ORGANIZACIJA, VOL 11, NO 12,
1962, PP 15-18.

JPRS 17152

EEUR - YUGOSLAVIA
ECON
JAN 63

219,6868

ANALYSIS OF 1962 ACCOUNTS IN GENERAL AGRICULTURAL
COOPERATIVES, 23 PP.

SERBOCROATIAN, PER, GLASNIK POLJOPRIVREDNIH I ZADRU-
ZNIH ORGANIZACIJA, VOL III, NO 6, 1963, PP 9, 19

JPRS 20928

EE-YUGOSLAVIA
ECON
SEP 63

3R43,201

THE 1962 ACTIVITY OF THE AGRICULTURAL COOPERATIVES
AND FUTURE TASKS L2 PP.

SERBOCROATIAN, PER, GLASNIK POLJOPRIVREDNIH I
ZADRUZNIH ORGANIZACIJA, VOL III, NO 7-9,
1963, PP 7-11.

JPRS 21491

EE-YUGOSLAVIA

ECON
OCT 63

346,6L5

A New Instruction on the way to Determine Cadastral Income,
by anonymous author, 7 pp.

SERBOCROATIAN, per, Glas Poljopriv i zadrug organiz, Vol III,
No 10, 1963, pp 56-60.

JPRS 22811

EE-Yugoslavia
Econ
Jan 64

247, 005

Analysis of 1962 Operations in Agricultural Organizations, by
Milovan Ivanovic, 9 pp.

SERBOCROATIAN, per, Glas Poljopriv i zadrug organiz, Vol III,
No 10, 1963, pp 11-18.

JPRS 22810

Sci-Agri
Jan 64

247, 004

Ralph, L.

Diptera Taken in Yugoslavia From May to July 1955,
With Localities and Notes.

SERVO-CROATIAN, bk, Diptere iz Jugoslviije,
prikupljanje of maja do jula 1955, sa naznakom
nalazista i primedbama. - Glasnik Prirodnjackog muzeja
Srpske zemlje, 1956, Ser. B. Vol. VIII, No. 2,
pp. 75-96.

*PL 480
OTS 61-11250/1

Jan 62

Adamovic, Zivko R.

Orthoptera Collected in the Surrounding Country of
Mostar, Hercegovina.

SERVO-CROATIAN, bk, Orthoptera prikupljane u okolina
M stara, Hercegovina. Glasnik Prirodnjackog muzeja
srpske zemlje, 1956, Ser. B., Vol. VIII, No. 2,
pp. 129-172.

*PL 480
OTS 61-11250/2

Jan 62

Colyer, Charles N.

Two New Species of Megasalia (DIPT. PHORIDAE) From
Yugoslavia. Glasnik Prirodnjackog muzeja srpske
zemlje, 1956, Ser. B. Vol. VIII, No. 2, pp. 97-100.

*PL 480

OTS 61-11250/3

Jan 62

(DC-3000/51)

Types and Number of Agricultural Schools,
by M. Gojkovic, 9 pp.

SERBO-CROATIAN, per, Glasnik Saveza
Poljoprivredno-Sumarskin Komara Jugoslavije,
Vol VI, No 7/8, 1960, pp 13-18.

JPRS 8085

EEur - Yugoslavia
Soc
Apr 61

148,945

Some Structural Characteristics of Double (False)
Growth Rings, by S. Vasiljevic, 5 pp.

SERBO-CROATIAN, per, ~~XXXX~~ Glasnik Sumarskog
Fakulteta (Beograd), No 9, 1955, pp 311-315.
9099999

OTS 60-²1638
PL-480

199,465

Sci - Biol

Jun 62

Reliability of Aerophotogrammetry for Some
Dendrometrical Needs in Forest Management, by Z.
Tomasegovic,

SERBO-CROATIAN, per, Glasn Sumske Pokuse, No 12,
1956, pp 167-224.

*possibly PL-480

Sci - Biol
May 61

Bulletin of the Chemical Society.

CROATIAN, per, Glasnik ~~SR~~ Srpsko Hemisko Drustvo, Vol
XXVIII, Nos 1-10, 1963.

*PL-420

Sci

Jul 63

O. K. Stojanovic

Synthesis of 4,4'-bis-Methylaminobenzophenone
From Michler's Ketone.

SERBO-CROATIAN, per, Srpsko. Hemisko Drustvo.
Glasnik, Vol 28, 1963, pp 453-459

CSIRO-Trans-10740

NTC 72-13415-07C

Oct 72

Investigations on the Distribution of Some Physical
Properties of Wood in the Stem of the Narrow-leaved
and Common Ash, by R. Benic, 26 pp.

SERBO-CROATIAN, per, Glasnik za Sumske Pokuse,
Vol XIII, 1957, pp 509-536. 9067303

OTS 60-21653
PL-480

Sci - Biol

Oct 62

213,043

(DC-3603).

Bulletin of the University of Belgrade, 72 pp.

CROATIAN, ser, Glasnik Univerziteta u Beogradu,
Vol II, No 7, Belgrade, 1958, pp 175-178, 190,
191.

JFRS 3486

EEur - Yugoslavia
Soc
Aug 60

722, 713

Constitution of the Moslem Religious Community in the
Federal People's Republic of Yugoslavia, 16 pp.
UNCLASSIFIED

SERBIAN, par, Glasnik Vrhovnog Islamskog Starjesinstva,
No 7-9, Jul-Sep 1959, pp 373-381, Encl to Desp No 26,
Amconsul, Sarajevo, 28 Sep 1959.

Dept of State
4248435

EE - Yugoslavia
Sec
Nov 59

101,682

Gehlhoff, Georg.
THE PHYSICS OF GLASS. [1963] [41p] 33 refs
Order from SLA \$4.60 63-20138

Trans. of Glastechnische Berichte (Germany) 1928,
v. 6, no. 8, p. 414-447.

DESCRIPTORS: *Glass, Viscosity, Electrical con-
ductivity, Fracture (Mechanics), Chemical analysis,
Transformations, Mechanical properties.

(Materials--Ceramics, TT, v. 10, no. 11)

63-20138

L. Gehlhoff, G.

Office of Technical Services

63-20147

Jaekel, Georg.
THE DECOLORIZATION OF GLASS. [1963] 24p (figs.
tables omitted) 7 refs
Order from SLA \$2.60

63-20147

Trans. of Glastechnische Berichte (Germany) 1930,
v. 8, no. 5 [p. 257-265].

DESCRIPTORS: *Glass, *Colors, Light transmission,
Chemical reactions, Absorption, *Reduction
(Chemistry), Permeability, Iron compounds, Oxides.

(Materials--Ceramics, TT, v. 10, no. 11)

I. Jaekel, G.

Office of Technical Services

Enamel Coatings on Glass, by F. Skrupy.
GERMAN, per, Glastech. Ber., Vol 9, 1931,
pp 345-349.
INSDOC/Ref: T. 4031. pp. 11

Sci -
Aug 67

335,166

Effect of Glass Manufacture and Working on
its Brittleness, by A. Russ.

GERMAN, per, Glastechnische Berichte

Vol IX, No 10, 1931, pp 529-545.

BCIRA-616

Apr 67

323,130

Schwiete, H. E. and Wagner, H.
SPECIFIC HEAT OF BOTTLE GLASSES (Spezifische
Wärme von Flaschengläsern). [1962] [15]p. (foreign
text included) 11 refs.
Order from SLA \$1.60

62-18138

Trans. of Glastechnische Berichte (Germany) 1932,
v. 10, no. 1, p. 26-30.

DESCRIPTORS: *Glass, *Specific heat, Determination,
Test equipment, Calorimeters.

The relation between true and mean specific heats is
discussed. An apparatus for the measurement of mean
specific heats is briefly described. The mean specific
heat of three bottle glasses is determined from 300 deg
to 1300 deg. (Author)

(Materials--Ceramics, TT, v. 9, no. 4)

62-18138

I. Schwiete, H. E.
II. Wagner, H.

Office of Technical Services

62-18113

Hänlein, W.
CONCERNING THE SPECIFIC GRAVITY OF GLASS IN
DEPENDENCE ON THE TEMPERATURE (Über das
Spezifische Gewicht von Glas in Abhängigkeit von der
Temperatur). [1962] [17]p. (foreign text included)
20 refs.
Order from SLA \$1.60

62-18113

Trans. of Glastechnische Berichte (Germany) 1932,
v. 10, no. 3, p. 126-130.

DESCRIPTORS: *Glass, *Density, *Temperature, Cal-
cium compounds, Oxides, Magnesium compounds,
Transformations (Mathematics), Series, Measure
theory.

There is described a method for the determination of
the specific gravity of glasses at high temperatures.
For the relation between the temperature and the spe-
(Materials--Ceramics, TT, v. 9, no. 3) (over)

1. Hänlein, W.

Office of Technical Services

Metzger, K.
OLD AND NEW LEHRS FOR HOLLOW GLASS.
[1963] 23p. (figs. omitted).
Order from SLA \$2.60

63-14505

Trans. of Glastechnische Berichte (Germany) 1932,
v. 10 [no. 8] p. 411-420.

DESCRIPTORS: *Glass, *Furnaces, Annealing,
Design, Operation, Fuel consumption.

(Materials--Ceramics, TT, v. 10, no. 5)

63-14505

I. Metzger, K.

Office of Technical Services

On the ¹Computation of the Radiation Conductivity in
Glasses, by Ludwig Genzel, 9 pp.

GERMAN, per, Glastechnische Berichte, Vol XXVI,
No 3, 1953, pp 69-71.

Navy Tr 3289/NRL 919

Sci - Phys

Jan 63

219,883

Endothermic Effect in the Softening Zone
of Silicate Glasses, by F. Eckert, I.
Westerman.

GERMAN, per, Glastechnische Berichte,
Vol X, 1932, pp 30-37.

CSIRO

Sci - Phys
May 62

196,406

The Representation in the Laboratory of Industrial
Melting Processes, by H. Jebsen-Marvedal, A. Becker.

GERMAN, per, Glastech Ber, Vol XIII, No 4, 1935,
pp 109-113.

ASLII-GB105

Sci

Aug 59

94,180

Kindt, B.
BEHAVIOR OF GLASS DURING MECHANICAL
WORKING OF A SPECIAL SORT. [1963] 5p (figs.
omitted)

Order from SLA \$1.10

63-20139

Trans. of Glastechnische Ber[ichte] (Germany) 1935,
v. 13 [no. 7] p. 245-247.

DESCRIPTORS: *Glass, Mechanical working,
Machine tools, Mechanical properties.

(Materials--Ceramics, TT, v. 10, no. 11)

63-20139

I. Kindt, B.

Office of Technical Services

^e
Comparative Tests of the Polishing Actions of
Metallic Oxides, by U. Haberland, P. Neubert,
H. Werner, 10 p.

GERMAN, per, Glastechn Ber, 1936, Vol XIV,
No 2, pp 60-66

SIA 60-10056

Sci
Apr 60
Vol III, No 3

111, 999

TT-64-10536

Heldtkamp, G. and Endell, K.
CONCERNING THE DEPENDENCE OF DENSITY AND
VISCOSITY ON THE TEMPERATURE IN THE SYS-
TEM $\text{Na}_2\text{O-SiO}_2$: A CONTRIBUTION TO THE EX-
PLORATION OF THE INNER STRUCTURE OF
GLASSES (Über die Abhängigkeit der Dichte und der
Zähigkeit von der Temperatur im System $\text{Na}_2\text{O-SiO}_2$.
Ein Beitrag zur Erforschung des inneren Aufbaus von
Gläsern). [1964] [49p] (foreign text included) 30refs
Order from SLA \$4.60

- I. Heldtkamp, G.
- II. Endell, K.
- III. Title: Contribution ...
- IV. Title: Beitrag ...

TT-64-10536

Trans. of Glastechnische Berichte (Germany) 1936,
v. 14, no. 3, p. 89-103.

(Materials--Ceramics, TT. v. 12, no. 2)

Office of Technical Services

Smekal, Adolf.

THE NATURE OF THE MECHANICAL STRENGTH
PROPERTIES OF GLASS. [1963] 25p (figs. refs
omitted)

Order from SLA \$2.60

63-20141

Trans. of Glastechnische Berichte (Germany) 1937,
v. 15, no. 7, p. 259-270.

DESCRIPTORS: *Glass, Mechanical properties,
Brittle materials, Fracture (Mechanics)

(Materials--Ceramics, TT, v. 10, no. 11)

63-20141

I. Smekal, A.

Office of Technical Services

Smekal, Adolf.

THE NATURE OF THE INFLUENCE OF WIDTH OF
SPECIMEN ON THE BENDING STRENGTH OF FLAT
GLASS. [1963] 6p (refs omitted)
Order from SLA \$1.10

63-20140

Trans. of Glastechn[ische] Ber[ichte] (Germany) 1937,
v. 15 [no. 7] p. 282-285.

DESCRIPTORS: *Glass, *Optical glass, Loading
(Mechanics), Rupture.

(Materials--Ceramics, TT, v. 10, no. 11)

63-20140

I. Smekal, A.

Office of Technical Services

62-16396

Löffler, Johannes.
SELENIUM PINK AS GLASS DYE AND THE IN-
FLUENCE EXERTED ON IT BY RARE EARTHS
(Selenrosa als Glasfarbe und seine Beeinflussung durch
Seltene Erden). Lecture at the Glass-Technical Con-
vention (no. 20) Berlin, 21 Jan 37. [1962] [17]p.
(foreign text included) 10 refs.
Order from SLA \$1.60

62-16396

Trans. of Glastechn[ische] Ber[ichte] (Germany) 1937,
v. 15, no. 10, p. 389-393.

DESCRIPTORS: Glass, Selenium compounds, Dyes,
Rare earths, Colors

(Unannounced)

I. Löffler, J.
II. Title: Glass-Technical...

Office of Technical Services

Schardin, H. and Struth, W.

HIGH-FREQUENCY CINEMATOGRAPHY STUDY OF
THE CRACKING PROCESSES IN GLASS (Hochfrequen-
zkinematographische Untersuchung der Bruchvorgänge
im Glas). [1962] [24]p. (foreign text included) 4 refs.
Order from SLA \$2.60

62-16466

63-20145

Trans. of Glastechnische Berichte (Germany) 1938,
v. 16, no. 7, p. 219-227.

DESCRIPTORS: *Glass, Fracture (Mechanics),
Photographic analysis, High frequency.

(Unannounced)

62-16466

63-20145

I. Schardin, H.
II. Struth, W.

Office of Technical Services

63-20144

Smekal, Adolf.

THE SIGNIFICANCE OF SCHARDIN'S VELOCITY OF
BREAK PROPAGATION [Bedeutung der Schardin'schen
Bruchausbreitungsgeschwindigkeit]. Application of
paper read at the Glass Technologists Meeting (no. 21)
Berlin, 16 Feb 38. [1963] 16p (figs. refs omitted)
Order from SLA \$1.60

63-20144

Trans. of Glastechnische Berichte (Germany) 1938,
v. 16 [no. 7] p. 228-231.
Another trans. is available from SLA \$1.60 as
62-14905 [1962] [20p].

DESCRIPTORS: *Glass, Fracture (Mechanics),
Brittle materials, Propagation, Velocity

(Materials--Ceramics, TT, v. 10, no. 11)

- I. Title: Schardin's theory
- I. Smekal, A.
- II. Title: Glass...

Office of Technical Services

Kruger, F.
CONCERNING DEGASSING OF GLASS MELTS WITH
SOUND WAVES (Über die Entgasung von Glasschmelzen
durch Schallwellen). [1963] [10p] (foreign text included)
refs

Order from SLA \$1.10

TT-64-14035

Trans. of Glastechn[ische] Ber[ichte] (Germany) 1938,
v. 16, no. 7, p. 233-236.

(Materials--Ceramics, TT, v. 12, no. 1)

TT-64-14085

L. Kruger, F.

Office of Technical Services

Geffcken, W[alter] and Berger, E.
FUNDAMENTALS OF CHEMICAL DURABILITY OF
GLASS, II. [1963] 22p (figs refs omitted)
Order from SLA \$2.60 63-20143

Trans. of Glastechn[ische] Ber[ichte] (Germany) 1938,
v. 16 [no. 9] p. 296-304.

DESCRIPTORS: *Glass, Surfaces, Liquids, Reaction
kinetics, Quantitative analysis, *Corrosion, Solvent
extraction, Adsorption, Interferometers.

(Materials--Ceramics, TT, v. 10, no. 11)

63-20143

I. Geffcken, W.
II. Berger, E.

Office of Technical Services

Neumann, C. and Dietzel, A.
THE PIGMENT BODIES IN THE SO-CALLED CARBON-
YELLOW GLASSES. I. ON COLORING GLASS BY
MEANS OF COLLOIDAL CARBON. [Presented] at the
Glass Technical Meeting (no. 21) Berlin, 15-17 Feb 38.
[1963] [7p] 19refs
Order from SLA \$1.10

63-20142

Trans. of Glastechnische Berichte (Germany) 1938,
v. 16 [no. 12] p. 389-391.

DESCRIPTORS: *Glass, *Pigments, Carbon, Colloids,
*Colors, *Sulfides, Chemical analysis.

(Materials--Ceramics, TT, v. 10, no. 11)

63-20142

- I. Neumann, C.
- II. Dietzel, A.
- III. Title: Coloring...
- IV. Title: Glass...

Office of Technical Services

63-20146

Neumann, C. and Dietzel, A.
THE PIGMENT BODIES IN THE SO-CALLED CARBON-
YELLOW GLASSES. II. THE COLORING BY POLY-
SULFIDES OF GLASSES FREE OF HEAVY METALS.
[Presented at the Glass Technical Meeting (no. 21)
Berlin, 15-17 Feb 38. [1963] [15p] (figs omitted) 8 refs
Order from SLA \$1.60 63-20146

Trans. of Glastechnische Berichte (Germany) 1939,
v. 17 [no. 10] p. 286-290.

DESCRIPTORS: *Glass, *Pigments, *Sulfides, Carbon,
*Colors, Iron compounds, Sodium compounds, Sulfates,
Chemical analysis.

(See also 63-20142)

(Materials--Ceramics, TT, v. 10, no. 11)

- I. Neumann, C.
- II. Dietzel, A.
- III. Title: Coloring...
- IV. Title: Glass...

Office of Technical Services

Marwedel, H. J. seen.
INFLUENCE OF THE SOLUTION OF SILICIC ACID
ON THE GAS-CONTENT OF GLASS MELTS (DIS-
PLACEMENT OF SO_2 BY SiO_2) (Einfluss der Lösung
von Kieselsäure auf den Gasgehalt von Glasschmelzen
(Verdrängung von SO_2 durch SiO_2)). [1963] [10p]
(foreign text included) 1 ref
Order from SLA \$1.10

TT-64-10528

Trans. of Glastechnische Berichte (Germany) 1939,
v. 17, no. 12, p. 325-327.

DESCRIPTORS: *Glass, *Silicic acids, Displacement
reactions, Sulfites, Silicon compounds, Dioxides,
Gases.

(Materials--Ceramics, TT, v. 11, no. 9)

TT-64-10528

1. Marwedel, H. J.

Office of Technical Services

Csaki, Paul and Dietzel, Adolf.
ELECTROCHEMICAL MEASUREMENT OF THE
OXYGEN PARTIAL PRESSURE IN GLASS MELTS:
INVESTIGATIONS OF OXIDATION EQUILIBRIA.
[1961] [62]p. 21 refs.
Order from SLA m\$3.90, ph\$10.80 61-14471

Trans. of Glastechnische Berichte (Germany) 1940.
v. 18, no. 2, p. 33-45 and no. 3, p. 65-69.

- 61-14471
1. Electrochemistry
 2. Oxygen--Chemical reactions
 3. Glass--Melting
 4. Glass--Oxidation
 - I. Csaki, P.
 - II. Dietzel, A.
 - III. Title: Investigations...

101031

Office of Technical Services

(Unannounced)

TT-64-14084

Neumann, C. and Dietzel, A.
[THE PIGMENT BODIES] IN THE SO-CALLED COAL-
YELLOW GLASSES. III. COLORATIONS THROUGH
IRON-SULPHUR COMPOUNDS (Die Farbkörper in den
Sogenannten Kohle gelben Gläsern. Teil III. Färbungen
Durch Eisen-Schwefel-Verbindungen). [1963] [24p]
(foreign text included) 19 refs
Order from SLA \$2.60

TT-64-14084

Trans. of Glasstechnische Berichte (German) 1940,
v. 18, no. 10, p. 267-273.

(See also TT-63-20146)

(Materials--Ceramics, TT, v. 12, no. 2)

- I. Neumann, C.
- II. Dietzel, A.
- III. Title: Colorations...

Office of Technical Services

Elastic After-Effect by Heat Diffusion and
Material Diffusion with the Periodic and Aperiodic
Process, by H. Rotger.

GERMAN, per, Glastech Ber, Vol XIX, No 6, Jun
1951, pp 192-200.

ASLIB-GB105

Sci
Aug 58

70,796

TT-64-14035

Dietzel, A. and Boncke, R.
EFFECT OF TITANIUM DIOXIDE ON THE COLORING
OF GLASS AND ITS STRUCTURE-THEORETICAL
INTERPRETATION (Wirkung von Titandioxyd auf die
Färbung von Gläsern und deren Strukturtheoretische
Deutung). 1963 [131p] (foreign text included) 14 refs
Order from SLA \$3.60 TT-64-14035

Trans. of Glastechnische Berichte (Germany) 1941,
v. 19, no. 2, p. 217-225.

I. Dietzel, A.
II. Boncke, R.

(Materials--Ceramics, TT, v. 11, no. 12)

Office of Technical Services

62-14882

Thomas, M.
THE SCHLIEREN (STREAK) FORMATION IN
GLASSES CAUSED BY REFRACTORIES (Über die
Schlierenbildung in Gläsern durch Feuerfeste Massen).
[1962] [17]p. (foreign text included) 2 refs.
Order from SLA \$1.60 62-14882

Trans. of Glastechnische Berichte (West Germany)
1942, v. 20, no. 9, p. 258-262.

DESCRIPTORS: *Glass, *Refractory materials, Clays,
*Schlieren photography, Refractive index.

Tests are reported on refractories, especially on
burnt clays with respect to the schlieren (streak) for-
mation they cause in the molten glass they are in con-
tact with, which tests have found satisfactory appli-
cation in the selection of refractories for vat bricks
and glass house pots in planned constructions. (Author)
(Materials--Ceramics, TT, v. 8, no. 4)

1. Thomas, M.

Office of Technical Services

Freytag, Hans.
STUDY OF THE GLASS FILAMENT SURFACE; SIZE
OR LUBRICANT SYSTEM, I. Pt. 3 of Glass Filament
Investigations. [1960] 62p. (18 figs. omitted) 42 refs.
Order from SLA ml\$3.90, ph\$10.80 61-10181

Trans. of Glastechnische Berichte (Germany) 1943,
v. 21, no. 7/8, p. 149-170.

142,898

61-10181

1. Glass textiles--Micro-structure
2. Glass textiles--Surfaces
1. Freytag, H.
- II. Title: Glass...

Office of Technical Services

(Materials--Ceramics, TT, v. 5, no. 3)

Koch, Paul-August, Freytag, Hans, and Ardenne,
Manfred v.
ELECTRON-MICROSCOPIC TESTS (PRELIMINARY
REPORT). Pt. 4 of Glass Filament Investigations. 1960.
15p. (9 figs. omitted) 39 refs.
Order from LA ml\$2. 40, ph\$3. 30 61-10180

Trans. of Glasstechnische Berichte (Germany) 1943,
v. 21, no. 12, p. 249-255.

See also 61-10181.

142,899

61-10180

I. Glass textiles--Micro-
structure

- I. Koch, P.-A.
- II. Freytag, H.
- III. Ardenne, M. v.
- IV. Title: Glass...

Office of Technical Services

(Materials--Ceramics, TT, v. 5, no. 3)

Koch, Paul-August.
ON THE RELATION BETWEEN FINENESS AND
STRENGTH IN GLASS FILAMENTS. Pt. 7 of Glass
Filament Investigations. [1960] 22p. (11 figs. omitted)
23 refs.
Order from SLA m\$2.70, ph\$4.80 61-10184

Trans. of Glastechnische Berichte (West Germany)
1949, v. 22, no. 9/10, p. 161-169.

See also 61-10180.

61-10184

- I. Glass textiles--
Mechanical properties
- I. Koch, P.-A.
- II. Title: Glass...

142,986

Office of Technical Services

(Materials--Ceramics, TT, v. 5, no. 3)

Ruess, Gerhard.
RAMAN-SPECTRUM AND GLASS STRUCTURE (Raman-
Spektrum und Glasstruktur). [1962] [15]p. 19 refs.
Order from SLA \$1.60 62-18135

Trans. of Glastechnische Berichte (West Germany) 1949,
v. 22, no. 9/10, p. 173-177.

DESCRIPTORS: *Glass, Structural properties, Analysis,
*Raman spectroscopy.

(Materials--Ceramics, TT, v. 9, no. 4)

62-18135

I. Ruess, G.

Office of Technical Services

Smekal, Adolf.
INFRARED AND RAMAN SPECTRA OF OXIDE
GLASSES. [A comment on] Raman-Spectra and Glass
Structure, by Gerhard Ruess. [1962] 5p. 12 refs.
Order from SLA \$1.10 62-18136

Trans. of Glastechnische Berichte (West Germany) 1949
[v. 22] no. 9/10, p. 177-179 (original article: pub. on
p. 173-177).

DESCRIPTORS: *Glass, Oxides, Structural properties,
Analysis, *Raman spectroscopy, *Infrared spectroscopy.

(See also 62-18135)

(Materials--Ceramics, TT, v. 9, no. 4)

62-18136

I. Smekal, A.
II. Ruess, G.
III. Title: Raman-Spectrum ...

Office of Technical Services

Koch, Paul-August. TEXTILE GLASS FILAMENTS, FIBROUS SUBSTANCE TABLES. [1960] 8p. 28 refs. Order from SIA m\$1.80, ph\$1.80 61-10186 Trans. of Glastechn[ische] Ber[ichte]. (West Germany) 1949, v. 22, no. 11, p. 226-228. <i>142,953</i> (Materials--Ceramics, TT, v. 5, no. 3)	61-10186 I. Glass textiles--Properties 1. Koch, P.-A. II. Title: Fibrous... Office of Technical Services
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61-10183

Bobeth, Wolfgang.
ELASTICITY INVESTIGATIONS ON GLASS FILA-
MENTS. Pt. 8 of Glass Filament Investigations. [1950]
11p. (3 figs. omitted) 8 refs.
Order from SLA m/\$2.40, ph/\$3.30 61-10183

Trans. of Glasstechnische Ber[ichte] (West Germany)
1949, v. 22, no. 18, p. 420-423.

See also 61-10184.

- I. Glass textiles--
Elasticity
1. Bobeth, W.
II. Title: Glass...

142,987

Office of Technical Services

(Materials--Ceramics, TT, v. 5, no. 3)

REsults of Cinematographic Investigation
of the Glass Fracture Process, by Hubert
Shacrdin, 26 pp.

GERMAN, per, Glastechnische Berichte,
Vol XXIII, No 1, 1950, pp 1-10.

SLA 60-16849

Sci
Vol IV, No 7
May 62

193,694

Results of the Cinematographic Examination of the
Breakage Process of Glass, 2. by H. Schardin,

GERMAN, per, Glastechnische Berichte, Vol XXIII,
pp 67-79. 1950

SLA 62-16467
C.S.I.R.O.

Sci

May 60

116,099

Heat Problems in the Design of Glass-Working
Molds, by W. Giegerich, 29 pp.

GERMAN, per, Glastechnische Berichte, Vol XXIII,
Jun 1950, pp 161-169.

SLA 60-18795

Sci

146,121

Apr 61

Metallic Materials for Glass Manufacture and
Studies on Mould Castings, by F. Oberlies,
A. Dietzel, 13 pp.

GERMAN, per, Glastech Berichte, Vol XXIV, 1951,
pp 790102.

SIA Tr 57-730

Sci - Engr

53,182

Sep 57

Aluminum Orthophosphate Glasses, by
Franz Drexler, Wolfram Schutz, 11 pp.

GERMAN, per, Glastech Ber, Vol XXIV, 1951,
pp 172-176.

CIA/FDD XX-246

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chemistry
Feb 1957 ETS/dex
IAC INTERNAL USE ONLY

44, 189

Preparation of the Frit Before the Fusion,
by Wilhelm Geigerich, 31 pp.

GERMAN, per, Glastechnische Berichte,
Vol XXIV, No 12, 1951, pp 293-3301.

SLA 60-16859

Sci
Vol IV, No 7
May 62

193, 699

Optical Effects of Plate Glass With Uneven
Surfaces, by Frank Kerkhof, ~~43~~ 43 pp.

GERMAN, per, Glastechnische Berichte,
VOLUME XXV, No 3, 1952, pp 71-83.

SLA 60-16922

Sci

196, 881

May 62

Koch, Paul-August and Satlow, Günther.
TESTS FOR THE EVALUATION OF FLEXIBILITY
AND BRITTLINESS, RESPECTIVELY: LOOP CAPAC-
ITY TESTS OF GLASS FILAMENTS [AND] BRITTLE-
NESS TEST OF GLASS FILAMENTS BY TORSION
FAILURE. Pts. 10-11 of Glass Filament Investigations
[1960] 21p. (3 figs. omitted) 18 refs.
Order from SLA m\$2.70, ph\$4.80 61-10185

Trans. of Glasstechnische Berichte (West Germany)
1952, v. 25, no. 4, p. 101-106.

See also 61-10183

142,954

(Materials--Ceramics, TT, v. 5, no. 3)

61-10185

1. Glass textiles--Test methods
2. Glass textiles--Mechanical properties
 - I. Koch, P.-A.
 - II. Satlow, G.
 - III. Title: Loop...
 - IV. Title: Brittleness...
 - V. Title: Glass...

Office of Technical Services

Depth Penetration of Diffuse Radiation Into
Glass, 19 pp., by Marianus Czerny, Ludwig Genzel.

GERMAN, per, Glastech Ber, Vol XXV, 1952,
pp 134-139.

34,074

CIA/FDD/XX-133
NOT RELEASABLE TO
FOREIGN NATIONALS

Scientific - Physics May 56 CTD/TEX

IAC INTERNAL USE ONLY

Sigwart, Hans.

CONCERNING THE TESTING OF INTERNAL PRESSURE OF GLASS BOTTLES (Zur Innendruckprüfung von Glasflaschen). [1962] [39]p. (foreign text included) 9 refs.

Order from SLA \$3.60

62-14887

Trans. of Glastechnische Berichte (West Germany) 1952, v. 25, no. 9, p. 276-285.

DESCRIPTORS: *Glass, Containers, Test equipment, *Pressure vessels, Materials, Statistical analysis.

The purpose of the examinations was the preparation of a norm in this field by comparing the testing processes used until now, and developing a testing device with test conditions which could be defined as exactly as possible. (Author)

(Materials. TT, v. 8, no. 4)

62-14887

I. Sigwart, H.

Office of Technical Services

Frit Reactions and Glass Melts, by Carl
Kroger, 36 pp.

GERMAN, per, Glastechnische Berichte, Vol XXV,
No 10, 1952, pp 307-324.

SLA 60-18770

SLA 60-18771

SLA 63-12596

Sci

Apr 61

146,123

Geffcken, Walter.
PROPAGATION OF HEAT IN GLASS AT HIGH
TEMPERATURES, PT. 1 (Zur Fortleitung der Wärme
in Glas bei Hohen Temperaturen. 1. Teil). [1962]
[14]p. (foreign text included) 5 refs.
Order from SLA \$1.60

62-16131

Trans. of Glastechn[ische] Ber[ichte] (West Germany)
1952, v. 25, no. 12, p. 392-396.

DESCRIPTORS: *Glass, Propagation, Heat, Thermal
radiation, Blackbody radiation, Thermal diffusion,
Energy, Iron, *Heat transfer.

The equations for the state of stationary thermal
radiation are derived for a transparent body, infinitely
extended three-dimensionally and having a temperature
gradient in one dimension. At sufficiently low heat
(Materials--Ceramics, TT, v. 8, no. 7) (over)

62-16131

1. Geffcken, W.

Office of Technical Services

Trier, Wolfgang.

TEMPERATURE MEASUREMENTS IN THE GLASS
BATH OF TANK FURNACES (Temperaturmessungen
im Glasbad von Wannenöfen). [1962] [29]p.
(foreign text included) 8 refs.
Order from SLA \$2.60

62-16397

Trans. of Glastechnische Berichte (West Germany)
1953, v. 26, no. 1, p. 5-12.

DESCRIPTORS: *Glass, Melting, Temperature,
Measurement, Test equipment, Gas flow, Convection,
Pyrometers, Sheets, Tests.

A survey is given of the most important temperature
measurements that have been made so far in the glass
bath of tank furnaces. After discussing the testing ap-
paratus, the results of the measurements are criti-
cally examined. It is tried to interpret some of the
(Materials--Ceramics, TT, v. 8, no. 9) (over)

62-16397

1. Title: Tank furnaces
1. Trier, W.

Office of Technical Services

Calculation of the Radiation Conductivity of
Glasses, by L. Genzel. 7 pp.

GERMAN, per, Glastechnische Berichte,
Vol XXVI, No 3, 1953, pp 69-71. 9667436
1/1/53

CSIRO

NAVY Tr 3289/NRL 919

Sci - Phys
Jul 62

207-444

Günther, Rudolf.
SIGNIFICANCE OF THE HEAT BALANCE OF TANK
FURNACES (Bedeutung der Wärmebilanz von Wan-
nenöfen). [1963] [22]p. (foreign text included) 2 refs.
Order from SLA \$2.60 63-14059

Trans. of Glastechn[ische] Ber[ichte] (West Germany)
1954, v. 27, no. 2, p. ~~41-46~~.

DESCRIPTORS: *Furnaces, Heat, *Thermodynamics,
*Glass.

(Materials--Ceramics, TT, v. 10, no. 5)

63-14059

I. Günther, R.

Office of Technical Services

Calculation of Temperature Distribution in Glass
Melts With Heat Conduction and Heat Radiation,
by Alwin Walther, Johannes Dorr, Edelgard Eller,
25 pp.

GERMAN, per, Glastechn Ber, Vol XLVII, 1953,
pp 133-140.

CIA/FDD/XX-134
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Scientific - Physics
Mathematics
IAC INTERNAL USE ONLY

34,075
May 56 CTS/DEX

Mickley, Erich and Thomas, Max.
ON THE MECHANICAL PRODUCTION OF THIN-
WALLED HOLLOW GLASS OBJECTS FROM TUBING
(Über die Maschinelle Herstellung Dünnwandiger
Hohlglaskörper aus Rohr). Lecture at the Glass-
Technical [Meeting] (no. 27) Freiburg, 13 May 53.
[1963] [17p] (foreign text included).
Order from SLA \$1.60

63-18580

Trans. of Glastechnische Berichte (West Germany)
1953, v. 26, no. 7, p. 197-201.

DESCRIPTORS: *Glass, Liquids, Pipes, *Incandescent
lamps, Lighting equipment, Geometric forms,
Machines, Walls, Production.

Some procedures, several of them new, are described,
by which thin-walled, small hollow glass objects,
preferably incandescent bulbs, are made mechanically
from tubing. (Author)
(Materials--Ceramics, TT, v. 10, no. 11)

63-18580

I. Mickley, E.
II. Thomas, M.

Office of Technical Services

Vacuum Tight Glass-to-Metal Seals for Electrical
Engineering, by Werner Dusing, 19 pp.

GERMAN, por, Glasstechnische Berichte, Vol XXVI,
No 6, 1953, pp 232-238.

SLA 60-14033

Sci

OTS, Vol III, No 7

Nov 60

133,140

Polishing Materials for Glass, by Gerhard Kröner,
9 p.

GERMAN, per, Glastechn Ber. 1953, Vol XXVI,
No 10, pp 300-306.

SLA 60-10003

Sci
Apr 60
Vol III, No 3

112,002

Trier, Wolfgang.
TEMPERATURE AND STRAIN CONDITIONS IN
CRACKING OF GLASS (Temperatur- und Spannungs-
verhältnisse beim Absprengen von Glas). [1962]
[10]p. (foreign text included).
Order from SLA \$1.10

62-14498

Trans. of Glastechn[ische] Ber[ichte] (West Germany)
1954, v. 27, no. 5, p. 164-166.

DESCRIPTORS: *Glass, *Fracture(Mechanics), Tem-
perature, Cooling.

The nature of the cracking process is explained by
simple physical considerations. The observation from
practice, that the cracking process is made more dif-
ficult with thin wall thicknesses, with poorly cooled
glasses and with small tubes, finds its deeper reason
thereby. (Author)

(Materials--Ceramics, TT, v. 8, no. 5)

62-14498

1. Trier, W.

Office of Technical Services

The Surface of the Mold Wall and Its
influence on the Flow of the Glass,
by W. Giegerich, 31 p.
GERMAN, per, Glastechnische Berichte,
Vol 26, No 11, 1953, pp 333-341.
SIA TT-66-10699

Sci-M&M
Jul 66

306,019

On Temperature Dependence of Internal Damping,
Sound Velocity & Modulus of Elasticity, by A.
Dietzel.

GERMAN, per, Glat Ber, Vol XXVII, 1954, pp 105pl16.

Language Sv Bu

SLA 60-16252

Sci - Chem

Oct 60

129,648